

1. Sliding door system for a vehicle, especially for a motor vehicle, with at least one sliding door (2), which can be moved between a closed position and an open position, where at least one energy guide chain (6) is provided, which is connected at one end to the sliding door (2) and at the other end with a chassis of the vehicle and at least one curved region lying between the ends, characterized by the fact that, depending on the position of sliding door (2), the curved region has different radii of curvature (KR).
2. Sliding door system according to Claim 1, characterized by the fact that the curved region has a radius of curvature (KRX) in the closed position, which is different from the radius of curvature (KRY) in the open position of the sliding door (2).
3. Sliding door system for a vehicle according to Claim 1 or 2, characterized by the fact that the radius of curvature (KRX) is smaller in the closed position than the radius of curvature (KRY) in the open position of the sliding door (2).
4. Sliding door system for a vehicle according to Claim 3, characterized by the fact that the ratio of the radii of curvature (KRX) in the closed position to the radius of curvature (KRY) in the open position of the sliding door (2) is smaller than 0.9, preferably smaller than 0.8, especially smaller than 0.5.
5. Sliding door system according to one or more of the previous Claims 1 to 4, characterized by the fact that the energy guide chain (6) has at least two sections which are designed so that, depending on the position of the sliding door (2), the curved region has different radii of curvature (KR).
6. Sliding door system according to Claim 5, characterized by the fact that the ratio of the two sections is smaller than 0.8, preferably smaller than 0.6, especially smaller than 0.5.
7. Sliding door system according to one of Claims 1 to 6, characterized by the fact that the energy guide chain (6) has chain links connected to one another pivotably, where the chain links have stops to limit a pivoting angle, wherein the chain links of the at least two sections have differently designed stops.

8. Sliding door system according to Claim 7, characterized by the fact that the stops represent an integral component of the chain link.
9. Sliding door system according to Claim 7, characterized by the fact that the stops are connected to the chain links separably.
10. Sliding door system according to one of Claims 1 to 9, characterized by the fact that the energy guide chain (6) can be moved in an essentially horizontal plane.
11. Sliding door system according to one or several of the previous Claims 1 to 10, characterized by the fact that the energy guide chain (6) is made at least partly from at least one plastic.
12. Vehicle, especially motor vehicle, with at least one sliding door system according to at least one of the previous Claims 1 to 11.
13. Energy guide chain with a multiplicity of pivotably linked chain links, which form a curved region lying between a first trunk and a second trunk, characterized by the fact that, depending on the path to be traveled, the curved region has different radii of curvature (KR).